

FILE 'REGISTRY' ENTERED AT 10:17:25 ON 06 APR 2001

L1 2 S PHMB/CN
L2 0 S MBDGA/CN
L3 0 S MBDGA
L4 0 S MGDGA/CN
L5 0 S METHYLENEBISDIGLYCIDYLANILINE
L6 0 S METHYLENEBISDIGLYCIDYLANILINE/CN
L7 0 S METHYLENE BISDIGLYCIDYLANILINE
L8 0 S METHYLENE DIGLYCIDYLANILINE
L9 5 S METHYLENE (5W) DIGLYCIDYLANILINE

FILE 'USPATFULL, CAPLUS' ENTERED AT 10:20:58 ON 06 APR 2001

L10 1108 S L1 OR COMOCIL OR POLYHEXANIDE OR (POLY
HEXAMETHYLENEBIGUANIDE
L11 2406 S L9 OR 34229-69-1/RN OR 31305-94-9/RN OR (METHYLENE (5W)
DIGLY
L12 7 S L10 AND L11
L13 6 S L12 AND SILVER

L13 ANSWER 1 OF 6 USPATFULL

ACCESSION NUMBER: 2001:14440 USPATFULL
TITLE: Disinfectant composition providing sustained residual biocidal action
INVENTOR(S): Sawan, Samuel P., Tyngsboro, MA, United States
Subramanyam, Sundar, Stoneham, MA, United States
Yurkovetskiy, Alexander, Acton, MA, United States
PATENT ASSIGNEE(S): Surfacing Development Company, LLC, Tyngsboro, MA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 6180584	20010130
APPLICATION INFO.:	US 1999-248861	19990211 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-74456	19990212 (60)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Gupta, Yogendra	
ASSISTANT EXAMINER:	Ingersoll, Christine	
LEGAL REPRESENTATIVE:	Testa, Hurwitz & Thibault, LLP	
NUMBER OF CLAIMS:	38	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 4 Drawing Page(s)	
LINE COUNT:	1234	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a composition that, when applied to a substrate, forms an adherent, transparent, water insoluble polymeric film on the substrate surface that provides sustained antimicrobial disinfecting action for prolonged periods, without the necessity for reapplication. The coating provides surface disinfecting action by a contact-killing mechanism, and does not release its components into contacting solutions at levels that would result in solution disinfection. The polymeric film formed by the composition of the invention can be removed by treatment with dilute alcoholic base.

L13 ANSWER 2 OF 6 USPATFULL

ACCESSION NUMBER: 2000:24306 USPATFULL
TITLE: Non-leaching antimicrobial films
INVENTOR(S): Sawan, Samuel P., Tyngsboro, MA, United States
Subramanyam, Sundar, Stoneham, MA, United States
Yurkovetskiy, Alexander, Acton, MA, United States
PATENT ASSIGNEE(S): BioPolymerix and Surfacing Development Company, Tewksbury, MA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 6030632	20000229
APPLICATION INFO.:	US 1998-151866	19980911 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 663269	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Levy, Neil S.	
LEGAL REPRESENTATIVE:	Testa, Hurwitz & Thibault, LLP	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 3 Drawing Page(s)	
LINE COUNT:	1840	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

5490938

AB An antimicrobial material comprising an antimicrobial metallic material and a biguanide polymer reacted with a crosslinker to form an adduct is described. Both freestanding antimicrobial materials and antimicrobial films are provided. The antimicrobial material does not release biocidal levels of leachables into a contacting solution.

L13 ANSWER 3 OF 6 USPATFULL

ACCESSION NUMBER: 1999:18745 USPATFULL

TITLE: Antimicrobial liquid compositions and methods for using

INVENTOR(S): them
Sawan, Samuel P., Tyngsboro, MA, United States
Shalon, Tadmor, Brentwood, MI, United States
Subramanyam, Sundar, Stoneham, MA, United States
Yurkovetskiy, Alexander, Acton, MA, United States

PATENT ASSIGNEE(S): Biopolymerix, Inc., Farnham, United Kingdom (non-U.S. corporation)
Surfacine Development Company, Inc., Tyngsboro, MA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5869073	19990209
	WO 9517152	19950729
APPLICATION INFO.:	US 1996-663269	19961213 (8)
	WO 1994-US14636	19941219
		19961213 PCT 371 date
		19961213 PCT 102(e) date
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-220821, filed on 31 Mar 1994, now abandoned which is a continuation-in-part of Ser. No. US 1993-170510, filed on 20 Dec 1993, now patented, Pat. No. US 5490938	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Levy, Neil S.	
LEGAL REPRESENTATIVE:	Testa, Hurwitz & Thibeault, LLP	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 3 Drawing Page(s)	
LINE COUNT:	1787	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

AB A liquid composition for applying a non-leachable antimicrobial coating on a surface. The liquid composition consists of a solution, dispersion or suspension of a biguanide polymer reacted with a cross-linking agent to form an adduct, and an antimicrobial metal material. The resulting antimicrobial coating does not release biocidal levels of leachables into surrounding solution.

L13 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2001:185504 CAPLUS

DOCUMENT NUMBER: 134:203780

TITLE: Amphiphilic antimicrobial film-forming compositions containing biguanide polymers

INVENTOR(S): Sawan, Samuel P.; Subramanyam, Sundar; Yurkovetskiy, Alexander; Brady, Michael J.

PATENT ASSIGNEE(S): Surfacine Development Co., Llc, USA

SOURCE: PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001017357	A1	20010315	WO 2000-US6053	20000308

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 1999-392842 19990909

AB The present invention relates to a topical antimicrobial compn. contg. an antimicrobial complex that provides sustained antimicrobial disinfecting action upon contact with microorganisms for prolonged periods, without the necessity for reapplication. The topical antimicrobial compn. provides both initial and residual contact-killing disinfecting activity, and does not release its antimicrobial components into contacting liqs. at levels that result in soln. disinfection. The compn. contains an antimicrobial biguanide polymer, an anionic compd., and a liq. carrier.

REFERENCE COUNT: 4

REFERENCE(S): (1) Fuller H B Licensing Financ; EP 0460385 A 1991 CAPLUS
(2) Surfaccine Dev Company Llc; WO 9940791 A 1999 CAPLUS
(3) Surfaccine Dev Company Llc; WO 0015036 A 2000 CAPLUS
(4) Surfaccine R Consumer Products; WO 9818330 A 1998 CAPLUS

L13 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2000:190863 CAPLUS

DOCUMENT NUMBER: 132:227511

TITLE: Topical dermal antimicrobial compositions

INVENTOR(S): Sawan, Samuel P.; Subramanyam, Sundar; Yurkovetskiy, Alexander; Manivannan, Gurusamy; Goldblatt, Michael
Surfaccine Development Company, LLC, USA

PATENT ASSIGNEE(S):

SOURCE: PCT Int. Appl., 52 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000015036	A1	20000323	WO 1999-US20976	19990910
<p>W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM</p> <p>RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG</p>				
AU 9962472	A1	20000403	AU 1999-62472	19990910
PRIORITY APPLN. INFO.:				
			US 1998-99925	19980911
			US 1999-116013	19990115
			WO 1999-US20976	19990910

AB The invention relates to a topical antimicrobial compn. contg. an antimicrobial complex that provides sustained antimicrobial disinfecting action upon contact with microorganisms for prolonged periods, without the necessity for reapplication. The topical compn. comprises a soln. or dispersion of a polymeric antimicrobial material, such as a biguanide polymer. The antimicrobial polymer is rendered insol. by coupling with a

hydrophobic agent, such as Araldite MY-720, and further complexed with a silver salt. The topical antimicrobial compn. provides both initial and residual contact-killing disinfecting activity, and does not release its antimicrobial components into contacting liqs. at levels that result in soln. disinfection.

REFERENCE COUNT: 5
REFERENCE(S): (1) Carrillo, A; US 4478821 A 1984 CAPLUS
(2) Infectless SA; EP 0450117 A 1991 CAPLUS
(3) Schuelke & Mayr GMBH; DE 19646759 A 1998 CAPLUS
(4) Surfaccine Dev Company LLC; WO 9940791 A 1999 CAPLUS
(5) Surfaccine R Consumer Products; WO 9818330 A 1998 CAPLUS

L13 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1999:528981 CAPLUS

DOCUMENT NUMBER: 131:149374

TITLE: Film-forming disinfectant compositions providing sustained biocidal action

INVENTOR(S): Sawan, Samuel P.; Subramanyam, Sundar; Yurkovetskiy, Alexander

PATENT ASSIGNEE(S): Surfaccine Development Company, LLC, USA

SOURCE: PCT Int. Appl., 43 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9940791	A1	19990819	WO 1999-US3050	19990211
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ,			
TM				
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
AU 9925994	A1	19990830	AU 1999-25994	19990211
EP 1054596	A1	20001129	EP 1999-905961	19990211
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
US 6180584	B1	20010130	US 1999-248861	19990211
PRIORITY APPLN. INFO.:			US 1998-74456	19980212
			WO 1999-US3050	19990211

AB The invention relates to a compn. that, when applied to a substrate, forms

an adherent, transparent, water-insol. polymeric film on the substrate surface that provides sustained antimicrobial disinfecting action for prolonged periods, without the necessity for reapplication. The preferred polymers are adduct resins obtained by the reaction of of polyhexamethylenebiguanide-HCl or its free base with bi- or polyfunctional epoxides. The antimicrobial agent is Ag, AgI or Ag(NO3). The coating provides surface disinfecting action by a contact-killing mechanism, and does not release its components into contacting solns. at levels that would result in soln. disinfection. The polymeric film formed

by the compn. can be removed by treatment with dil. alc. base.

Applications include floors, walls, diapers, surgical gowns, wound dressings, wipes, masks, hospital bed rails and carpets.

REFERENCE COUNT: 7

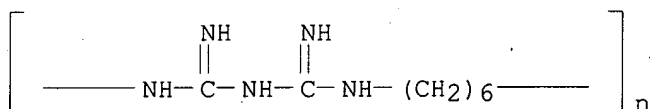
REFERENCE(S): (1) Anon; JP 09208411 A CAPLUS
(2) Biopolymerix; EP 0891712 A CAPLUS

- (4) Nishihara; Wide-spectrum antibacterial and antifungal agents, treatment of substrates with the agents, and the treated substrates 1997, 14, CAPLUS
 - (5) Surfacine Consumer Products; WO 9818330 A 1998 CAPLUS
 - (6) The Trustees Of Columbia University; EP 0328421 A 1989 CAPLUS
- ALL CITATIONS AVAILABLE IN THE RE FORMAT

Reg, 8 Tray Search ~~3/4~~ 4/3/01

L1	2 S PHMB/CN
L2	0 S MBDGA/CN
L3	0 S MBDGA
L4	0 S MGDGA/CN
L5	0 S METHYLENEBISDIGLYCIDYLANILINE
L6	0 S METHYLENEBISDIGLYCIDYLANILINE/CN
L7	0 S METHYLENE BISDIGLYCIDYLANILINE
L8	0 S METHYLENE DIGLYCIDYLANILINE
L9	5 S METHYLENE (5W) DIGLYCIDYLANILINE

L1 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2001 ACS
 RN 32289-58-0 REGISTRY
 CN Poly(iminocarbonimidoyliminocarbonimidoylimino-1,6-hexanediyl),
 hydrochloride (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Poly(iminoimidocarbonyliminoimidocarbonyliminohexamethylene),
 hydrochloride (8CI)
 OTHER NAMES:
 CN Arlagard E
 CN BG 1
 CN BG-IR
 CN Cosmocil CQ
 CN Lonzabac BG 1
 CN **PHMB**
 CN Polihexanide
 CN Poly(hexamethylenebiguanide) hydrochloride
 CN Polyhexanide
 CN PP 073
 CN Proxel IB
 CN Reputex 20
 CN Vantocil IB
 DR 132071-71-7, 50641-36-6, 70170-61-5, 91403-50-8, 28757-48-4, 235765-81-8
 MF (C8 H17 N5)n . x Cl H
 CI PMS, COM
 PCT Polyother, Polyother only
 LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, CHEMCATS,
 CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, IFICDB, IFIPAT, IFIUDB, IPA, PIRA,
 PROMT, RTECS*, TOXLINE, TOXLIT, USAN, USPATFULL, VETU
 (*File contains numerically searchable property data)
 Other Sources: WHO
 CRN (28757-47-3)

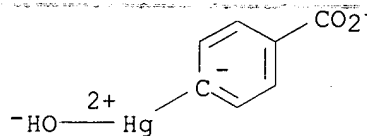


• x HCl

210 REFERENCES IN FILE CA (1967 TO DATE)
 12 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 211 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2001 ACS
 RN 138-85-2 REGISTRY
 CN Mercurate(1-), (4-carboxylatophenyl)hydroxy-, sodium (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Mercury, (p-carboxyphenyl)hydroxy-, monosodium salt (8CI)
 OTHER NAMES:
 CN p-Chloromercuribenzoate
 CN PCMB
 CN **PHMB**
 CN Sodium 4-(hydroxymercuri)benzoate

CN Sodium p-hydroxymercuribenzoate
 DR 17689-59-7
 MF C7 H5 Hg O3 . Na
 CI CCS
 LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT,
 CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHM, DDFU,
 DIOGENES, DRUGU, EMBASE, MEDLINE, NIOSHTIC, PIRA, PROMT, RTECS*,
 TOXLINE, TOXLIT, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 CRN (155-85-1)



● Na⁺

707 REFERENCES IN FILE CA (1967 TO DATE)
 16 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 709 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L9 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2001 ACS

RN 191356-23-7 REGISTRY

CN 1H-Pyrrole-2,5-dione, 1,1'-(methylenedi-4,1-phenylene)bis-, polymer with N,N'-(methylenedi-4,1-phenylene)bis[N-(oxiranylmethyl)oxiranemethanamine] and 4,4'-sulfonylbis[benzenamine] (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzenamine, 4,4'-sulfonylbis-, polymer with N,N'-(methylenedi-4,1-phenylene)bis[N-(oxiranylmethyl)oxiranemethanamine] and 1,1'-(methylenedi-4,1-phenylene)bis[1H-pyrrole-2,5-dione] (9CI)

OTHER NAMES:

CN **4,4'-Methylenebis[N,N-diglycidylaniline]-N,N'-(methylenedi-p-phenylene)bismaleimide-4,4'-sulfonyldianiline copolymer**

MF (C25 H30 N2 O4 . C21 H14 N2 O4 . C12 H12 N2 O2 S) x

CI PMS

PCT Epoxy resin, Polyamine, Polyamine formed, Polyimide, Polysulfone, Polyvinyl

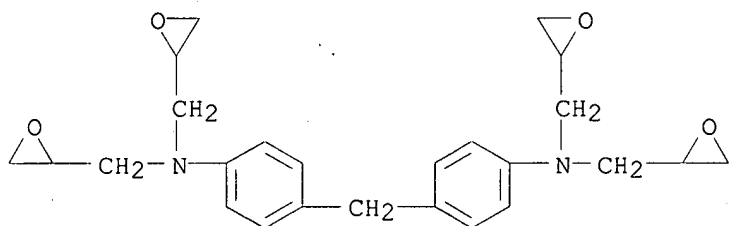
SR CA

LC STN Files: CA, CAPLUS

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CRN 28768-32-3

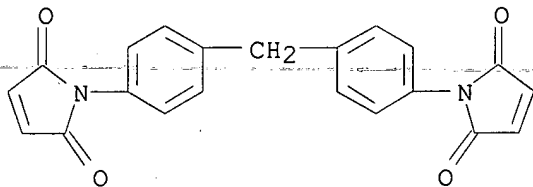
CMF C25 H30 N2 O4



CM 2

CRN 13676-54-5

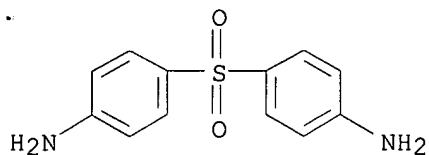
CMF C21 H14 N2 O4



CM 3

CRN 80-08-0

CMF C12 H12 N2 O2 S



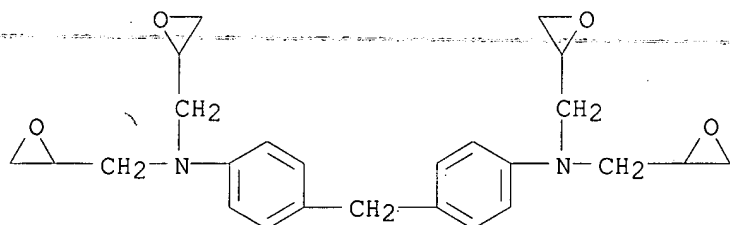
3 REFERENCES IN FILE CA (1967 TO DATE)
3 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L9 ANSWER 2 OF 5 REGISTRY COPYRIGHT 2001 ACS
RN 63804-34-2 REGISTRY
CN Oxiranemethanamine,
N,N'-(methylenedi-4,1-phenylene)bis[N-(oxiranylmethyl)-
, polymer with 4,4'-sulfonylbis[benzenamine] (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzenamine, 4,4'-sulfonylbis-, polymer with N,N'-(methylenedi-4,1-
phenylene)bis[N-(oxiranylmethyl)oxiranemethanamine] (9CI)
OTHER NAMES:
CN 4,4'-Diaminodiphenyl sulfone-N,N,N',N'-tetraglycidyl-4,4'-
diaminodiphenylmethane polymer
CN 4,4'-Diaminodiphenyl sulfone-N,N,N',N'-tetraglycidyl-4,4'-
diaminodiphenylmethane copolymer
CN 4,4'-Diaminodiphenyl sulfone-tetraglycidyl-4,4'-diaminodiphenylmethane
copolymer
CN 4,4'-Diaminodiphenyl sulfone-tetraglycidyl-diaminophenylmethane copolymer
CN 4,4'-Diaminodiphenylmethane tetraglycidyl ether-4,4'-diaminodiphenyl
sulfone copolymer
CN **4,4'-Methylenebis(N,N-diglycidylaniline)-4,4'-sulfonyldianiline
copolymer**
CN AG 80-4,4'-diaminodiphenyl sulfone copolymer
CN Ag 80-DDS copolymer
CN Araldite HT 976-Araldite MY 720 copolymer
CN Araldite HT 976-Araldite MY 9512 copolymer
CN Araldite MY 720-4,4'-diaminodiphenyl sulfone copolymer
CN Araldite MY 720-DDS copolymer
CN Araldite MY 720-diaminodiphenylsulfone copolymer
CN Araldite MY 721-DDS copolymer
CN Araldite MY-720-4,4'-sulfonylbis(benzamine) copolymer
CN AS 3501-5
CN Ciba 6376
CN DDS-N,N,N',N'-tetraglycidyl-4,4'-diaminodiphenylmethane copolymer
CN DDS-tetraglycidyl-diaminodiphenylmethane copolymer
CN DDS-TGDDM copolymer
CN Diaminodiphenyl sulfone-tetraglycidyl-diaminodiphenylmethane copolymer
CN F 263
CN F 922
CN Fiberite HY-E 334A
CN Fiberite HY-E 9176B
CN Fiberite HY-E/HMF 1034K
CN Fibredux 6376
CN Fibredux F 922
CN Grafil HC 3501
CN H 3501-6
CN Hercules 3501
CN Hercules 3501-6
CN Hexcel F 263
CN HT 976-MY 720 copolymer
CN Lopox 152
CN Magnamite 3501
CN Magnamite 3501-6
CN Magnamite AS 3501-5
CN MCL-E 679
CN Toray 3601
CN Toray 3900-2

CN Torayca 3900-2
DR 126904-10-7, 56939-95-8, 112993-20-1, 61584-22-3, 62067-68-9,
136071-46-0,
136753-42-9, 68202-07-3, 70896-25-2, 75662-04-3, 160675-03-6
MF (C25 H30 N2 O4 . C12 H12 N2 O2 S)x
CI PMS
PCT Epoxy resin, Polyamine, Polyether
LC STN Files: CA, CAPLUS, USPATFULL

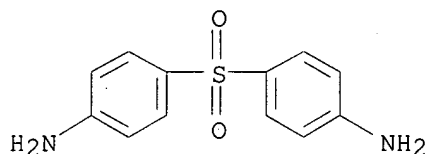
CM 1

CRN 28768-32-3
CMF C25 H30 N2 O4



CM 2

CRN 80-08-0
CMF C12 H12 N2 O2 S



802 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
804 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L9 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2001 ACS
RN 34229-69-1 REGISTRY
CN Oxiranemethanamine, N,N'-(methylenedi-4,1-phenylene)bis-, homopolymer
(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Aniline, 4,4'-methylenebis[N-(2,3-epoxypropyl)-, polymers (8CI)

OTHER NAMES:

CN **p,p'-Methylenebis(N,N'-diglycidylaniline) polymer**

CN **p,p'-Methylenebis(N,N'-diglycidylaniline) resin**

MF (C19 H22 N2 O2)x

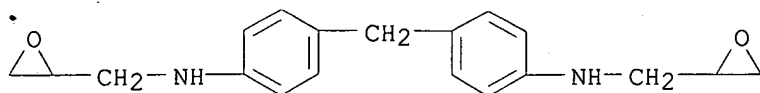
CI PMS

PCT Epoxy resin, Polyamine

LC STN Files: CA, CAPLUS

CM 1

CRN 47311-06-8
CMF C19 H22 N2 O2



2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L9 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2001 ACS

RN 31305-94-9 REGISTRY

CN Oxiranemethanamine,

N,N'-(methylenedi-4,1-phenylene)bis[N-(oxiranymethyl)-
, homopolymer (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Aniline, 4,4'-methylenebis[N,N-bis(2,3-epoxypropyl)-, polymers (8CI)

OTHER NAMES:

CN **4,4'-Methylenebis(N,N-diglycidylaniline) polymer**

CN 4,4'-Methylenebis[N,N-bis(2,3-epoxypropyl)aniline] polymer

CN **4,4-Dimethylene-bis-(N,N-diglycidylaniline)-polymer**

CN AG 80

CN Araldite MY 720

CN Araldite MY 721

CN Araldite MY 9512

CN Araldite MY 9612

CN Bis[4-(diglycidylamino)phenyl]methane polymer

CN Carboform

CN CIBA 914

CN CTD 112P

CN ELM 434

CN EP 760

CN Epiclon 430

CN Epikote 604

CN Epikote 604L

CN Epo Tohto YH 434

CN Epo Tohto YH 434L

CN Epon HPT 1077

CN F 914

CN Fiberite 976

CN Fiberite HY-E 1076E

CN Fibredux 914

CN Glyamine G 120

CN Hi-Epoxy YH 343

CN Lopox 3302

CN Lopox B 3302

CN MXB 7203

CN MY 720

CN MY 721

CN MY 9512

CN MY 9612

CN MY 9634

CN MY 9655

CN MY 9663

CN N,N,N',N'-Tetraglycidyl-4,4'-diaminodiphenylmethane polymer

CN N,N,N',N'-Tetraglycidyl-4,4'-diaminodiphenylmethane homopolymer

CN N,N,N',N'-Tetraglycidyl-diaminodiphenylmethane homopolymer

CN N,N,N',N'-Tetraglycidyl-diaminodiphenylmethane polymer

CN Poly(N,N,N',N'-tetraglycidyl-4,4'-diaminodiphenylmethane)

CN Poly(tetraglycidyl-diaminodiphenylmethane)

CN Sumiepoxy ELM 434

CN T 300/914

CN Tetraglycidyl diaminodiphenylmethane homopolymer

CN Tetraglycidyl methylenedianiline homopolymer

CN Tetraglycidyl-4,4'-diaminodiphenylmethane homopolymer

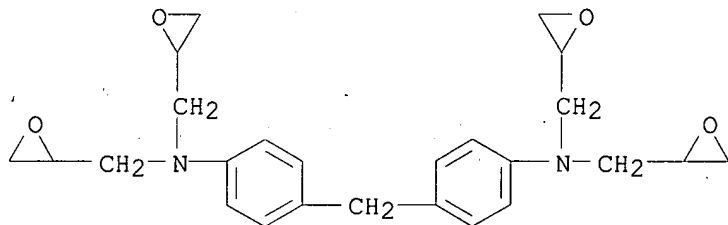
CN Tetraglycidyl-4,4'-methylenedianiline polymer

CN Tetraglycidylmethylenedianiline polymer

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
 DISPLAY
 DR 123242-88-6, 95470-87-4, 74565-09-6, 74811-74-8, 71751-54-7, 75634-45-6,
 153796-25-9, 143928-29-4, 87503-22-8, 87658-78-4
 MF (C25 H30 N2 O4)x
 CI PMS, COM
 PCT Epoxy resin, Polyamine
 LC STN Files: CA, CAPLUS, CHEMLIST, CIN, IFICDB, IFIPAT, IFIUDB, PIRA,
 PLASPEC*, PROMT, TOXLIT, USPATFULL
 (*File contains numerically searchable property data)

CM 1

CRN 28768-32-3
 CMF C25 H30 N2 O4



875 REFERENCES IN FILE CA (1967 TO DATE)
 65 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 875 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L9 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2001 ACS

RN 28768-32-3 REGISTRY

CN Oxiranemethanamine,

N,N'-(methylenedi-4,1-phenylene)bis[N-(oxiranymethyl)-
 (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Aniline, 4,4'-methylenebis[N,N-bis(2,3-epoxypropyl)- (6CI, 8CI)

OTHER NAMES:

CN **4,4'-Methylenebis[N,N-diglycidylaniline]**

CN Bis[4-(diglycidylamino)phenyl]methane

CN N,N,N',N'-Tetraglycidyl-4,4'-diaminodiphenylmethane

CN N,N,N',N'-Tetraglycidylbis(p-aminophenyl)methane

CN Tetraglycidyl 4,4'-diaminodiphenylmethane

CN Tetraglycidyl methylenedianiline

FS 3D CONCORD

MF C25 H30 N2 O4

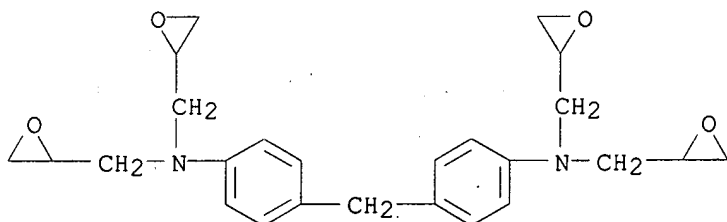
CI COM

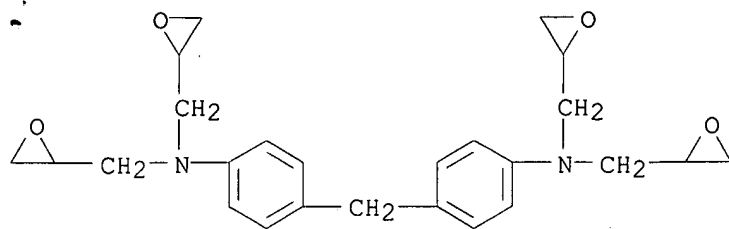
LC STN Files: ANABSTR, BEILSTEIN*, CA, CAOLD, CAPLUS, CHEMCATS, CHEMLIST,
 CSNB, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, SPECINFO, TOXLINE,
 TOXLIT, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)





234 REFERENCES IN FILE CA (1967 TO DATE)
53 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
234 REFERENCES IN FILE CAPLUS (1967 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)